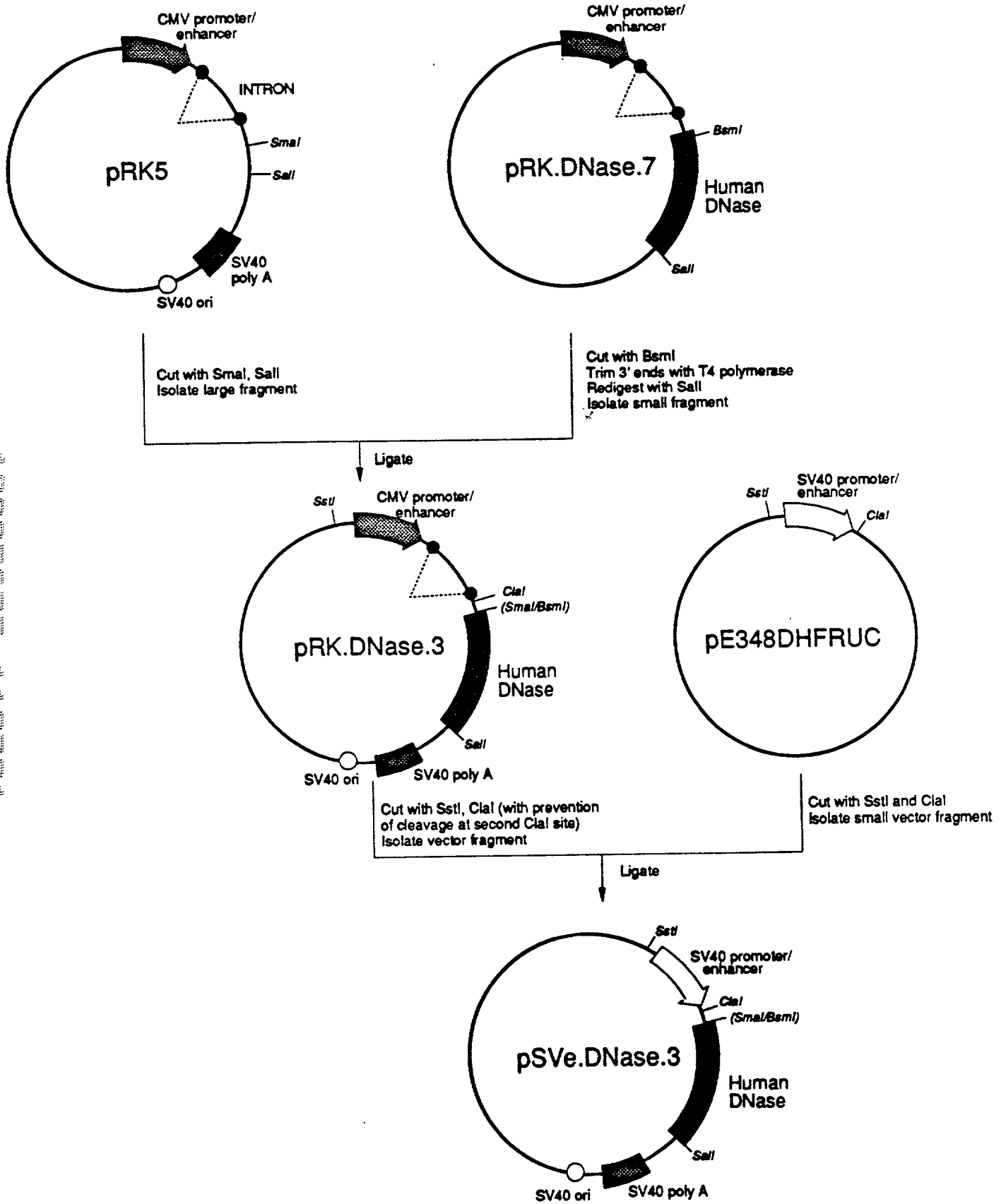
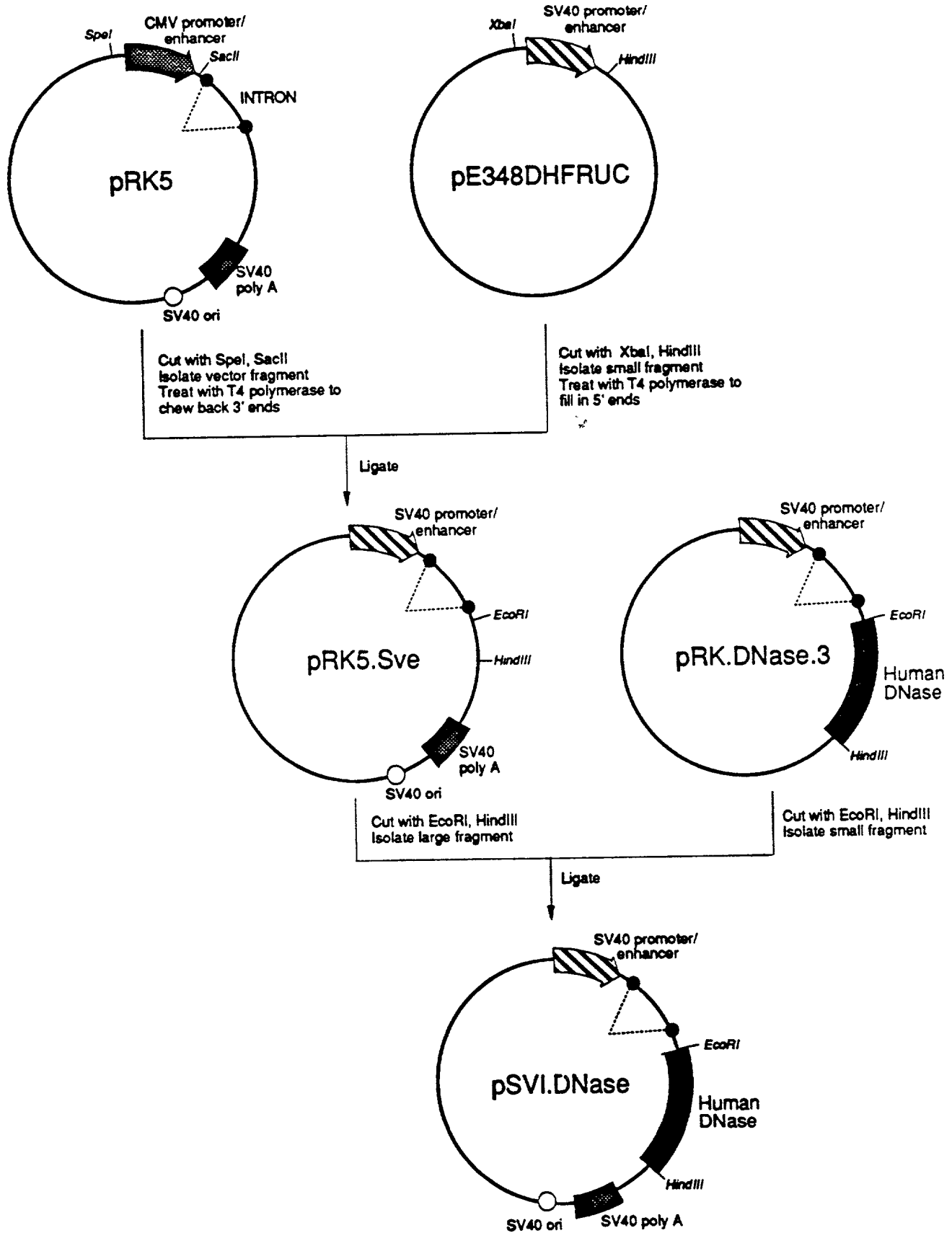


Fig. 3



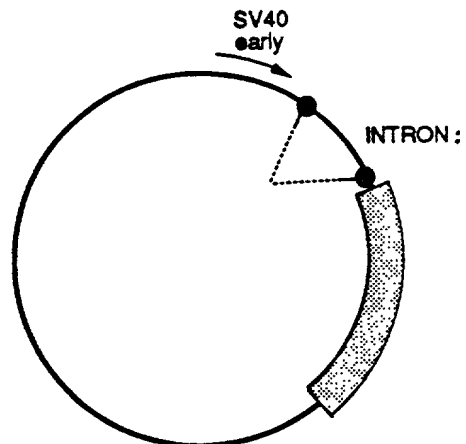
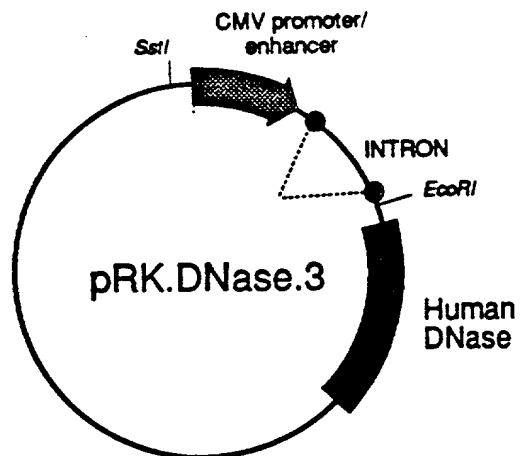
10005675.1001

Fig. 4



T020T 5/95001

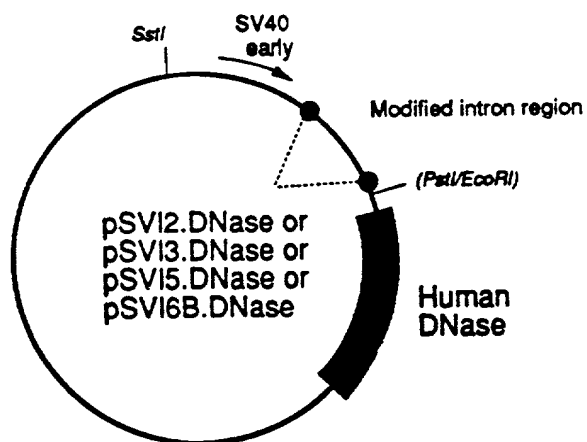
Fig. 5



Cut with *EcoRI*
Isolate vector fragment
Treat with DNA polymerase and dNTPs
Cut with *SstI*

Cut with *PstI*
Treat with T4 polymerase
Cut with *SstI*

ligate



1000675 110701

[illegible]

FIG. 6 (cont)

sau96I
 avall
 asul
 scriPI
 ecorII
 bstNI

hphI
 sp6 RNA start
 foki
 msel
 note ATG
 501 TTAATACATA ACCATTATGTA TCATACACAT ACGATTTAGG TGACACATAA GAATACATC CACTTGCCT TTCTCTCCAC AGGTGTCCAC TCCCAGGTCC
 AATTATGTAT TGGAAATACAT AGTATGTGTA TGCTAAATCC ACTGTGATAT CTTATTGTAG GTGAACGGA AAGAGAGGTG TCCACAGGTG AGGTGTCCAGG

bspMI
 aluI
 pstI
 hindIII
 fnu4HI
 ddeI
 bbvI

msel
 hgal

1

cloning linker
 601 AACTGCACCT CGGTTCTAAG CTTGGGGCTGC AGGTGCGCGT GAATTTAAGG GACGCTGTGA AGCA
 TTGACGTGA GCCAAGATTG GATCCCGACG TCCAGCGGCA CTTAAATTTCC CTGGGACACT TCGT

401 GGTGCATTGG AACCGGGATT CCCCGTGCCA AGAGTCAGGT AAGTATCCG TATGATTC: TTTTCCGGGTG GGGGAACCGA AGCAATCTTG CGCCGATGTT

FIG. 7 (cont) TOPOT 2500

sau96I
 avall
 asul
 scrFI
 eCORII
 bstNI

501 TTAATACATA ACCTTATGTA TCATACACAT ACGATTTAGG TGACACTATA GAATTAACATC CACCTTGGCCT TTCTCTCCAC AGGTGTCCAC TCCCAGGTCC
 AATTATGTAT TGCATACAT AGTATGTGTA TGCTAANTCC ACTGTGATAT CTTTATTCTAG GTGAACCGA AAGAGAGGTG TCCACAGGTG AGGGTCCAGG

hphI
 sp6 RNA start
 fokI

mseI

note ATG

bspMI
 aluI
 pstI
 hindIII
 fnu4HI
 bbvI
 ddeI

mseI
 hgaI

cloning linker

601 AACTGCACCT CGGTTCTAAG CTTGGGCTGC AGGTGCGCGT GAATTTAAGG GACGCTGTGA AGCA
 TTGACGTGGA GCCAAGATTC GAACCGGACG TCCAGCGGCA CTTAAATTCC CTGGGACACT TCGT

Figure 10.10

FIG 8 (cont)

sau3AI
 mboI
 dpaI
 alwI
 xhoII
 nlaIV
 bstYI
 bamHI
 mseI
 removed ATG
 lariat consensus
 TGAATACATA ACCTTTTGGG TCCTATAGAC TGACATCCAC TTTGGCTTTC TCTCCACAGG TGTCCTCCAC CAGGTCCAAAC TGCACCTCGG TTCGAAGCTT
 AATTATGTAT TGGAAACCT AGGATATCTG ACTGTAGGTG AAACGGAAG AGAGGTCTCC ACAGGTGAGG GTCCAGGTTG ACGTGGAGCC AAGCTTCGAA
 foki
 sau96I
 avall
 asuI
 scrFI
 ecorII
 bslNI
 mnlI
 cloning linker
 aluI
 hindIII
 taqI
 bstBI
 asuII

bspMI
 pslI
 fnu4HI
 bbvI
 mseI
 hgaI

1
 501 GGGCTGCAGG TCGCCGTGAA TTTAAGGAC GCTGTGAAGC A
 CCGACGTCC AGCGCACTT AATTCCCTG CGACACTTCG T

FIG. 9

aluI
 sstI
 sacI
 hgiIII
 hgiAI
 bsp1286
 banII
 taqI
 1 TTCGAGCTCG CCCGACATTG ATTATTGACT AGAGTCGACA GCTGTGGAAT GTGTGTCAGT
 AAGCTCGAGC GGGCTGTAAC TAATAACTGA TCTCAGCTGT CGACACCTTA CACACAGTCA
 taqI
 pleI aluI
 hinfI pvuII
 61 TAGGGTGTGG AAAGTCCCCA GGCTCCCCAG CAGGCAGAAG TATGCAAAGC ATGCATCTCA
 ATCCACACC TTTCAGGGGT CCGAGGGGTC GTCCGTCTTC ATACGTTTCG TACGTAGAGT
 nlaIV
 scrFI
 ecoRII
 bstNI
 nsII
 avaIII
 nlaIII
 sphI sfaNI
 nspCIX
 121 ATTAGTCAGC AACCAGGTGT GGAAAGTCCC CAGGCTCCCC AGCAGGCAGA AGTATGCAAA
 TAATCAGTCG TTGGTCCACA CTTTCAGGG GTCCGAGGGG TCGTCCGTCT TCATACGTTT
 scrFI
 ecoRII
 bstNI
 nlaIV
 scrFI
 ecoRII
 bstNI
 181 GCATGCATCT CAATTAGTCA GCAACCATAG TCCCGCCCCCT AACTCCGCCC ATCCCGCCCC
 CGTACGTAGA GTTAATCAGT CGTTGGTATC AGGGCGGGGA TTGAGGCGGG TAGGGCGGGG
 sfaNI
 nsII
 avaIII
 nlaIII
 sphI
 nspCIX
 foki
 241 TAACTCCGCC CAGTTCGCC CATTCTCCGC CCCATGGCTG ACTAATTTT TTTATTTATG
 ATTGAGGCGG GTCAAGGCGG GTAAGAGGCG GGGTACCGAC TGATTAAAAA AAATAAATAC
 nlaIII
 styI
 ncoI
 bsrI
 301 CAGAGGCCGA GGCCGCCCTCG GCCTCTGAGC TATTCCAGAA GTAGTGAGGA GGCTTTTTTG
 GTCTCCGGCT CCGGCGGAGC CGGAGACTCG ATAAGGTCTT CATCACTCCT CCGAAAAAC
 fnu4HI
 bglI
 sfiI ddeI
 haeIII haeIII haeIII
 mnlI mnlI mnlI mnlI aluI
 361 GAGGCCTAGG CTTTTGCAAA AAGCTTATCC GGCCGGGAAC GGTGCATTGG AACGCGGATT
 CTCCGGATCC GAAAACGTTT TTCGAATAGG CCGGCCCTTG CCACGTAACC TTGCGCCTAA
 scrFI
 nciI
 mspI
 hpaII
 haeIII
 xmaIII
 eagI
 eaeI
 cfrI
 aluI mspI cauII
 hinfI
 styI
 avrII
 haeIII
 stuI
 haeI
 mnlI
 421 CCCCCTGCCA AGAGTCAGGT AAGTACCGCC TATAGAGTCT ATAGGCCAC CCCCTTGGCT
 GGGGCACGGT TCTCAGTCCA TTCATGGCGG ATATCTCAGA TATCCGGGTG GGGGAACCGA
 pleI
 hinfI
 rsaI
 pleI
 hinfI
 bstXI
 sau96I
 haeIII
 asuI
 styI
 U1 matched splice donar
 421 CCCCCTGCCA AGAGTCAGGT AAGTACCGCC TATAGAGTCT ATAGGCCAC CCCCTTGGCT
 GGGGCACGGT TCTCAGTCCA TTCATGGCGG ATATCTCAGA TATCCGGGTG GGGGAACCGA

10005675.10701

FIG. 7
(cont.)

					sau3AI
					mboI
					dpnI
					alwI
					xhoII
					nlaIV
					bstYI
					bamHI
					alwI
					removed ATG
					U2 match lariat consensus
481	TCGTTAGAAC	GCGGCTACAA	TTAATACATA	ACCTTTTGGA	TCCTACTAAC TACTGACTTA
	AGCAATCTTG	CGCCGATGTT	AATTATGTAT	TGGAAAACCT	AGGATGATTG ATGACTGAAT
					sau96I
					avaII
					asuI
					scrFI
					ecoRII
					bstNI
					thaI
					fnuDII
					bstUI
					mnI
					nruI
					hindIII
					cloning linker
541	TTCTTTTCCT	TTCTCTCCAC	AGGTGTCCAC	TCCCAGGTCC	AACTGCACCT CGGTTCGCGA
	AAGAAAAGGA	AAGAGAGGTG	TCCACAGGTG	AGGGTCCAGG	TTGACGTGGA GCCAAGCGCT
					bspMI
					pstI
					fnu4HI
					alul
					bbvI
					mseI
					hgaI
1					
601	AGCTTGGGCT	GCAGGTCGCC	GTGAATTTAA	GGGACGCTGT	GAAGCA
	TCGAACCCGA	CGTCCAGCGG	CACTTAAATT	CCCTGCGACA	CTTCGT

1000567 10791

[illegible]

FOCOT 343500T
FIG. 10 (cont)

sau3AI
mboI
dpmI
alwI
xhoII
nlaIV
bstYI
bamHI
alwI
removed ATG

mseI

fokI

U2 match

lariat consensus

IgG vH natural lariat restored

501 TTAATACATA ACCTTTTGGG TCCTACTGAC ACTGACATCC ACTTTTCTT TTTCTCCACA GGTGTCCACT CCCAGGTCCA ACTGCACCTC GGTTCCGGAA

AATTATGTAT TGGAAACCT AGGATGACTG TGAATGTTAG TGAATTTAAG GGACGCTGTG AAGCA

bspMI
psti
fnu4HI
bbvI

mseI hgaI

1

601 GCTTGGGCTG CAGGTGCGCG TGAATTTAAG GGACGCTGTG AAGCA
CGAACCCGAC GTCCAGCGGC ACTTAAATTC CCTGCGACAC TTCGT

sau96I
avaII
asuI
scriI
ecorII
bstNI

mnlI

thai aluI
fndIII
bstII
mnlI hindIII

cloning linker

[illegible]